In the Claims:

Amend the claims as follows:

1	1. (original) A semi-permanent hearing device adapted to be inserted entirely within
2	a wearer's ear canal past the aperture thereof for long-term use therein, comprising:
3	a sealing retainer adapted to be seated in the bony portion of the ear canal along the
4	longitudinal axis and in direct contact with the walls thereof when said device is fully inserted
5	within the ear canal of the wearer;
6	a receiver assembly including a receiver for supplying acoustic signals processed by
7	said device to the tympanic membrane of the wearer, said receiver assembly being arranged
8	and adapted to mate with said retainer for positioning in the bony portion of the ear canal;
9	a microphone assembly including a microphone for receiving incoming acoustic
10	signals for processing by said device;
11	a battery assembly including a battery for powering said device; and
12	a flexible connector electrically and mechanically connecting said battery assembly,
13	said receiver assembly and said microphone assembly so that said microphone assembly is
14	flexibly supported in the cartilaginous portion of the ear canal to be substantially non-
15	occluding therein with minimal or no contact with the walls thereof, whereby to avoid
16	substantial interference by said microphone assembly with hair and production of cerumen
17	and debris within said ear canal.

- 2. (original) The semi-permanent hearing device of claim 1, wherein said battery assembly includes a thin enclosure substantially conforming to the shape of said battery, said enclosure encapsulating and supporting said battery therein.
- 3. (original) The semi-permanent hearing device of claim 1, wherein said sealing retainer is sufficiently soft and yielding to conform itself to the shape of the ear canal in said bony portion for long-term retention in a seated position therein when said device is fully inserted into the ear canal.

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- 4. (original) The semi-permanent hearing device of claim 1, wherein said sealing retainer includes a cavity to accept said receiver assembly in mating relationship therewith.
- 5. (original) The semi-permanent hearing device of claim 2, wherein each of said receiver assembly and said microphone assembly includes a respective thin enclosure encapsulating said receiver and said microphone respectively, whereby, together with said thin enclosure of said battery assembly, to inhibit contamination and damage of said device.



- 6. (original) The semi-permanent hearing device of claim 5, wherein each of said thin enclosures is moisture-proof.
- 7. (original) The semi-permanent hearing device of claim 5, wherein each of said thin enclosures has a wall thickness not exceeding 0.3 mm.
 - 8. (original) The semi-permanent hearing device of claim 1, wherein each of said receiver and said microphone has a port for passage of the respective acoustic signal therethrough, and further including at least one debris guard for mating with at least one of said microphone and said receiver without substantial interference with passage of said acoustic signal through the respective port.
- 9. (original) The semi-permanent hearing device of claim 8, wherein said at least one debris guard is moisture proof.
- 1 10. (original) The semi-permanent hearing device of claim 8, wherein said at least 2 one debris guard is substantially acoustically transparent.
- 1 11. (original) The semi-permanent hearing device of claim 8, wherein said at least 2 one debris guard comprises a replaceable cap.

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- 1 12. (original) The semi-permanent hearing device of claim 11, wherein said 2 replaceable cap comprises a body member and guard member.
- 1 13. (original) The semi-permanent hearing device of claim 8, wherein said at least 2 one debris guard comprises an adhesive pad incorporating an adhesive.
 - 14. (original) The semi-permanent hearing device of claim 8, wherein said at least one debris guard is removable and disposable for replacement thereof.
 - 15. (original) The semi-permanent hearing device of claim 1, wherein said support of said microphone assembly via said connector is sufficiently flexible to enable movement of said microphone assembly in response to pressures from sources including physiologic debris collected in said ear canal and canal deformations associated with movements of said ear canal.
- 1 16. (original) The semi-permanent hearing device of claim 1, wherein said receiver 2 assembly includes an air vent.
 - 17. (original) The semi-permanent hearing device of claim 1, wherein said sealing retainer includes an air vent.
- 1 18. (original) The semi-permanent hearing device of claim 1, further including a reed-switch assembly coupled to said device for magnetically-induced remote power switching or control of said device.
- 1 19. (original) The semi-permanent hearing device of claim 18, wherein said reedswitch assembly includes a miniature latching magnet to enable latching of said reed-switch assembly.

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- 1 **20**. (original) The semi-permanent hearing device of claim 1, further including 2 means associated with said device for remote power switching or control of said device.
- 21. (original) The semi-permanent hearing device of claim 20, wherein said means for remote power switching or control of said device comprises an external control magnet sized to be hand-held.
 - 22. (original) The semi-permanent hearing device of claim 21, wherein said external control magnet is bar-shaped.
 - 23. (original) The semi-permanent hearing device of claim 1, wherein said microphone assembly includes amplifier means integral therewith for processing said incoming signal.
- 24. (original) The semi-permanent hearing device of claim 1, wherein said flexible connector comprises a thin film circuit:
 - 25. (original) The semi-permanent hearing device of claim 24, wherein said thin film circuit comprises a main section associated with said battery assembly, a medial section associated with said receiver assembly, and a lateral section associated with said microphone assembly.
- 26. (original) The semi-permanent hearing device of claim 25, wherein said medial and lateral sections are bendable with respect to said main section.
- 27. (original) The semi-permanent hearing device of claim 1, wherein said flexible connector includes electrically conductive pads for connection to terminals of said battery.

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- 28. (original) The semi-permanent hearing device of claim 1, wherein said flexible connector includes a crossing section for connection to a crossing terminal of said battery.
- 1 **29**. (original) The semi-permanent hearing device of claim 1, further including 2 manually adjustable control means for adjusting at least one electroacoustic parameter of said device.
- 30. (original) The semi-permanent hearing device of claim 29, wherein said manually adjustable control means includes at least one electrical jumper for enabling said adjustment.
 - 31. (original) The semi-permanent hearing device of claim 1, including programming means for selectively adjusting electroacoustic parameters of said device.
 - 32. (original) The semi-permanent hearing device of claim 31, wherein said programming means includes a programmer external to said device and adjustment means internal to said device responsive to programming signals from said programmer for performing said selective adjustment.
 - 33. (original) The semi-permanent hearing device of claim 32, wherein said programmer includes an electrical cable for connection to said device for delivering said programming signals to said internal adjustment means.
- 1 34. (original) The semi-permanent hearing device of claim 32, wherein said 2 programmer and said internal adjustment means include means for remote programming of said device by delivery of said programming signals without a physical connection therebetween.

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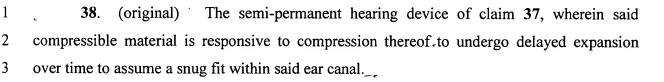
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1	35. (original) The semi-permanent hearing device of claim 34, wherein said remote
2	programming means includes means for transmitting and receiving at least one of sound,
3	ultrasound, magnetic, electromagnetic, radio frequency and infrared signals as said
4	programming signals.

- 36. (original) The semi-permanent hearing device of claim 1, including measuring means for performing in-situ probe tube measurements of parameters of said device.
- 1 37. (original) The semi-permanent hearing device of claim 3, wherein said sealing 2 retainer is composed of a compressible material.



- 39. (original) The semi-permanent hearing device of claim 1, wherein said sealing retainer is made of polyurethane foam or like material.
- 1 40. (original) The semi-permanent hearing device of claim 1, wherein said sealing 2 retainer is made of silicone or like material.
 - 41 (original) The semi-permanent hearing device of claim 1, wherein said sealing retainer is removable from said device and disposable for replacement thereof.
- 42. (original) The semi-permanent hearing device of claim 4, wherein said cavity is positioned in said sealing retainer coaxially with an axis to substantially coincide with the longitudinal axis of the ear canal in the bony portion thereof when said device is fully inserted into the ear canal, whereby to support said receiver assembly along said longitudinal axis in the vicinity of the tympanic membrane of the wearer.

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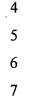
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- 1 43. (original) The semi-permanent hearing device of claim 4, wherein said cavity is 2 medially shaped to conform at least partially to said battery assembly for acceptance thereof. 44. (original) The semi-permanent hearing device of claim 1, wherein said sealing 1 retainer is configured to be fully seated in the bony portion of the ear canal by conforming 2 3 itself to the walls thereof, whereby to provide acoustic sealing within said bony portion for 4 preventing said acoustic signals emanating from said receiver from feeding back to said 5 microphone. 1 45. (original) The semi-permanent hearing device of claim 1, wherein said sealing 2 retainer is one among an assortment of sealing retainers of different sizes and shapes supplied with said hearing device to accommodate the dimensions of the ear canal of the individual 3 wearer. 46. (original) The semi-permanent hearing device of claim 1, wherein said battery is 2 a button cell type battery. 1 47. (original) The semi-permanent hearing device of claim 2, wherein said battery is 2 removable from said thin enclosure for disposal when battery replacement is required. 1 48. (original) The semi-permanent hearing device of claim 2, wherein said battery assembly is removable from-said device for disposal when battery replacement is required. 2 ¹ 49. (original) The semi-permanent hearing device of claim 1, wherein said receiver 1 2 assembly protrudes medially beyond said sealing retainer.
 - 50. (original) A semi-permanent hearing device adapted to be inserted entirely within a wearer's ear canal past the aperture thereof for long-term use therein, comprising:

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a sealing retainer adapted to be seated in the bony portion of the ear canal along the longitudinal axis and in direct contact with the walls thereof when said device is fully inserted within the ear canal of the wearer;

a receiver assembly including a receiver for supplying acoustic signals processed by said device to the tympanic membrane of the wearer, said receiver assembly mating with said sealing retainer for positioning said receiver in the bony portion of the ear canal;

a microphone assembly including a microphone for receiving incoming acoustic signals for processing by said device;

a battery assembly including a battery for powering said device, a thin enclosure, and a connector electrically connecting said battery, said receiver and said microphone;

said battery assembly having a shape substantially equivalent to the shape of said battery therein, and said microphone assembly extending laterally for positioning in the cartilaginous portion of the ear canal with minimal or no contact with the walls for substantial non-occlusion thereof, thereby minimally interfering with hair and production of cerumen and debris within said ear canal.



- 51. (original) The semi-permanent hearing device of claim 50, wherein said sealing retainer is sufficiently soft and yielding to conform itself to the shape of the ear canal in said bony portion for long-term retention in a seated position therein when said device is fully inserted into the ear canal.
- 52. (original) The semi-permanent hearing device of claim 50, wherein said sealing retainer includes a cavity to accept said receiver assembly in mating relationship therewith.
- 53. (original) The semi-permanent hearing device of claim 50, wherein each of said receiver assembly and said microphone assembly includes a respective thin enclosure encapsulating said receiver and said microphone respectively, whereby, together with said thin enclosure of said battery assembly, to inhibit contamination and damage of said device.

- 54. (original) The semi-permanent hearing device of claim 53, wherein each of said thin enclosures is moisture-proof.
- 55. (original) The semi-permanent hearing device of claim 53, wherein each of said thin enclosures has a wall thickness not exceeding 0.3 mm.
 - 56. (original) The semi-permanent hearing device of claim 50, wherein each of said receiver and said microphone has a port for passage of the respective acoustic signal therethrough, and further including at least one debris guard for mating with at least one of said microphone and said receiver without substantial interference with passage of said acoustic signal through the respective port.
 - 57. (original) The semi-permanent hearing device of claim 56, wherein said at least one debris guard is moisture proof.
 - 58. (original) The semi-permanent hearing device of claim 56, wherein said at least one debris guard is substantially acoustically transparent.
 - 59. (original) The semi-permanent hearing device of claim 56, wherein said at least one debris guard comprises a replaceable cap.
- 1 **60**. (original) The semi-permanent hearing device of claim **59**, wherein said replaceable cap comprises a body member and guard member.
- 1 61. (original) The semi-permanent hearing device of claim 56, wherein said at least 2 one debris guard comprises an adhesive pad incorporating an adhesive.
- 1 62. (original) The semi-permanent hearing device of claim 56, wherein said at least 2 one debris guard is removable and disposable for replacement thereof.

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- 1 63. (original) The semi-permanent hearing device of claim 50, wherein said
 2 microphone assembly is flexibly connected to enable movement thereof in response to
 3 pressures from sources including physiologic debris collected in said ear canal and canal
 4 deformations associated with movements of said ear canal.
- 1 **64.** (original) The semi-permanent hearing device of claim **50**, wherein said receiver assembly includes an air vent.
- 1 65. (original) The semi-permanent hearing device of claim 50, wherein said sealing 2 retainer includes an air vent.
- 1 66. (original) The semi-permanent hearing device of claim 50, further including a 2 reed-switch assembly coupled to said device for magnetically-induced remote power 3 switching or control of said device.
 - 67. (original) The semi-permanent hearing device of claim 66, wherein said reed-switch assembly includes a miniature latching magnet to enable latching of said reed-switch assembly.
- 1 68. (original) The semi-permanent hearing device of claim 50, further including means associated with said device for remote power switching or control of said device.
- 69. (original) The semi-permanent hearing device of claim 68, wherein said means for remote power switching or control of said device comprises an external control magnet sized to be hand-held.
- 70. (original) The semi-permanent hearing device of claim 69, wherein said external control magnet is bar-shaped.

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- 71. (original) The semi-permanent hearing device of claim 50, wherein said microphone assembly includes amplifier means integral therewith for processing said incoming signal.
- 1 72. (original) The semi-permanent hearing device of claim 50, wherein said 2 connector comprises a thin film circuit.
- 73. (original) The semi-permanent hearing device of claim 72, wherein said thin film circuit comprises a main section associated with said battery assembly, a medial section associated with said receiver assembly, and a lateral section associated with said microphone assembly.
- 74. (original) The semi-permanent hearing device of claim 73, wherein said medial and lateral sections are bendable with respect to said main section.
- 1 75. (original) The semi-permanent hearing device of claim 50, wherein said 2 connector includes electrically conductive pads for connection to terminals of said battery.
 - 1 76. (original) The semi-permanent hearing device of claim 50, wherein said connector includes a crossing section for connection to a crossing terminal of said battery.
 - 77. (original) The semi-permanent hearing device of claim 50, further including manually adjustable control means for adjusting at least one electroacoustic parameter of said device.
 - 78. (original) The semi-permanent hearing device of claim 77, wherein said manually adjustable control means includes at least one electrical jumper for enabling said adjustment.

- 1 79. (original) The semi-permanent hearing device of claim 50, including 2 programming means for selectively adjusting electroacoustic parameters of said device.
- 80. (original) The semi-permanent hearing device of claim 79, wherein said programming means includes a programmer external to said device and adjustment means internal to said device responsive to programming signals from said programmer for performing said selective adjustment.
- 81. (original) The semi-permanent hearing device of claim 80, wherein said programmer includes an electrical cable for connection to said device for delivering said programming signals to said internal adjustment means.
 - 82. (original) The semi-permanent hearing device of claim 80, wherein said programmer and said internal adjustment means include means for remote programming of said device by delivery of said programming signals without a physical connection therebetween.
 - 83. (original) The semi-permanent hearing device of claim 82, wherein said remote programming means includes means for transmitting and receiving at least one of sound, ultrasound, magnetic, electromagnetic, radio frequency and infrared signals as said programming signals.
- 1 84. (original) The semi-permanent hearing device of claim 50, including measuring 2, means for performing in-situ probe tube measurements of parameters of said device.
- 1 85. (original) The semi-permanent hearing device of claim 51, wherein said sealing 2 retainer is composed of a compressible material.



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- 1 86. (original) The semi-permanent hearing device of claim 85, wherein said compressible material is responsive to compression thereof to undergo delayed expansion over time to assume a snug fit within said ear canal.
- 87. (original) The semi-permanent hearing device of claim 50, wherein said sealing retainer is made of polyurethane foam or like material.
- 88. (original) The semi-permanent hearing device of claim 50, wherein said sealing retainer is made of silicone or like material.
- 1 89. (original) The semi-permanent hearing device of claim 50, wherein said sealing 2 retainer is removable from said device and disposable for replacement thereof.
 - 90. (original) The semi-permanent hearing device of claim 52, wherein said cavity is positioned in said sealing retainer coaxially with an axis to substantially coincide with the longitudinal axis of the ear canal in the bony portion thereof when said device is fully inserted into the ear canal, whereby to support said receiver assembly along said longitudinal axis in the vicinity of the tympanic membrane of the wearer.
 - 91. (original) The semi-permanent hearing device of claim 52, wherein said cavity is medially shaped to conform at least partially to said battery assembly for acceptance thereof:
 - 92. (original) The semi-permanent hearing device of claim 50, wherein said sealing retainer is configured to be fully seated in the bony portion of the ear canal by conforming itself to the walls thereof, whereby to provide acoustic sealing within said bony portion for preventing said acoustic signals emanating from said receiver from feeding back to said microphone.



93. (original)	The semi-permanent hearing device of claim 50, wherein said sealing	
retainer is one among an assortment of sealing retainers of different sizes and shapes suppli-		
with said hearing device to accommodate the dimensions of the ear canal of the individu		
wearer.		

- 94 (original) The semi-permanent hearing device of claim 50, wherein said battery is a button cell type battery..
- 95. (original) The semi-permanent hearing device of claim 50, wherein said battery is removable from said thin enclosure for disposal when battery replacement is required.
 - 96. (original) The semi-permanent hearing device of claim 50, wherein said battery assembly is removable from said device for disposal when battery replacement is required.
 - 97. (original) The semi-permanent hearing device of claim 50, wherein said receiver assembly protrudes medially beyond said sealing retainer.

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